

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/056,407B
Source: 1Fw/6
Date Processed by STIC: 8/22/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 08/22/2006

PATENT APPLICATION: US/10/056,407B

TIME: 09:27:00

Input Set : A:\11362.0011.DVUS01.ST25.txt

Output Set: N:\CRF4\08222006\J056407B.raw

3 <110> APPLICANT: MEHEUS, LYDIE
 4 LUHRMANN, REINHARD GEORGE
 5 UNION, ANN
 6 RAYMACKERS, JOSEPH
 8 <120> TITLE OF INVENTION: METHYLATED, SMD HOMOLOGOUS PEPTIDES, REACTIVE WITH THE
 ANTIBODIES
 9 FROM SERA OF LIVING BEINGS AFFECTED WITH SYSTEMIC LUPUS
 10 ERYTHEMATOSUS
 12 <130> FILE REFERENCE: 11362.0011.DVUS01
 14 <140> CURRENT APPLICATION NUMBER: US 10/056,407B
 15 <141> CURRENT FILING DATE: 2002-01-24
 17 <150> PRIOR APPLICATION NUMBER: US 09/297,981
 18 <151> PRIOR FILING DATE: 1999-05-10
 20 <150> PRIOR APPLICATION NUMBER: PCT/EP98/05518
 21 <151> PRIOR FILING DATE: 1998-08-31
 23 <150> PRIOR APPLICATION NUMBER: EP 97870127
 24 <151> PRIOR FILING DATE: 1997-08-29
 26 <160> NUMBER OF SEQ ID NOS: 32
 28 <170> SOFTWARE: PatentIn version 3.3
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 19
 32 <212> TYPE: PRT
 33 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Synthetic Peptide
 39 <220> FEATURE:
 40 <221> NAME/KEY: MISC_FEATURE /
 41 <222> LOCATION: (2)..(18)
 42 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 44 <400> SEQUENCE: 1
 W--> 46 Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa
 47 1 5 10 15
 50 Gly Xaa Gly
 54 <210> SEQ ID NO: 2
 55 <211> LENGTH: 11
 56 <212> TYPE: PRT
 57 <213> ORGANISM: Artificial Sequence
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: Synthetic Peptide
 63 <220> FEATURE:
 64 <221> NAME/KEY: MISC_FEATURE /
 65 <222> LOCATION: (2)..(10)
 66 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 68 <400> SEQUENCE: 2

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W--> 70 Ala Xaa Gly Xaa Gly Xaa Gly Met Gly Xaa Gly

71 1 5 10

74 <210> SEQ ID NO: 3

75 <211> LENGTH: 17

76 <212> TYPE: PRT

77 <213> ORGANISM: Artificial Sequence

79 <220> FEATURE:

80 <223> OTHER INFORMATION: Synthetic Peptide

83 <220> FEATURE:

84 <221> NAME/KEY: MISC_FEATURE

85 <222> LOCATION: (7)..(15)

86 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine

88 <400> SEQUENCE: 3

W--> 90 Lys Ala Gln Val Ala Ala Xaa Gly Xaa Gly Xaa Gly Met Gly Xaa Gly

91 1 5 10 15

94 Asn

98 <210> SEQ ID NO: 4

99 <211> LENGTH: 38

100 <212> TYPE: PRT

101 <213> ORGANISM: Artificial Sequence

103 <220> FEATURE:

104 <223> OTHER INFORMATION: Synthetic Peptide

107 <220> FEATURE:

108 <221> NAME/KEY: MISC_FEATURE

109 <222> LOCATION: (17)..(33)

110 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine

112 <400> SEQUENCE: 4

114 Asp Val Glu Pro Lys Val Lys Ser Lys Lys Arg Glu Ala Val Ala Gly

115 1 5 10 15

W--> 118 Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly

119 20 25 30

122 Xaa Gly Gly Pro Arg Arg

123 35

126 <210> SEQ ID NO: 5

127 <211> LENGTH: 16

128 <212> TYPE: PRT

129 <213> ORGANISM: Artificial Sequence

131 <220> FEATURE:

132 <223> OTHER INFORMATION: Synthetic Peptide

135 <220> FEATURE:

136 <221> NAME/KEY: MISC_FEATURE

137 <222> LOCATION: (5)..(13)

138 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine

140 <400> SEQUENCE: 5

W--> 142 Asp Asn His Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Gly Gly

143 1 5 10 15

146 <210> SEQ ID NO: 6

147 <211> LENGTH: 15

148 <212> TYPE: PRT

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149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Synthetic Peptide
155 <220> FEATURE:
156 <221> NAME/KEY: MISC_FEATURE
157 <222> LOCATION: (3)..(13)
158 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
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166 <210> SEQ ID NO: 7
167 <211> LENGTH: 12
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial Sequence
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172 <223> OTHER INFORMATION: Synthetic Peptide
175 <220> FEATURE:
176 <221> NAME/KEY: MISC_FEATURE
177 <222> LOCATION: (4)..(10)
178 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
180 <400> SEQUENCE: 7
W--> 182 Glu Arg Ala Xaa Gly Xaa Gly Xaa Gly Xaa Gly Glu
      13510
186 <210> SEQ ID NO: 8
187 <211> LENGTH: 46
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Synthetic Peptide
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196 <221> NAME/KEY: MISC_FEATURE
197 <222> LOCATION: (6)..(44)
198 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
200 <400> SEQUENCE: 8
W--> 202 Gly Gly Gln Gln Asp Xaa Gly Gly Xaa Gly Xaa Gly Gly Gly Gly
      1351015
206 Tyr Asn Xaa Ser Ser Gly Gly Tyr Glu Pro Xaa Gly Xaa Gly Gly Gly
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210 Xaa Gly Gly Xaa Gly Gly Met Gly Gly Ser Asp Xaa Gly Gly
      354045
214 <210> SEQ ID NO: 9
215 <211> LENGTH: 18
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Synthetic Peptide
223 <220> FEATURE:
224 <221> NAME/KEY: MISC_FEATURE
225 <222> LOCATION: (6)..(11)

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226 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
228 <400> SEQUENCE: 9
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234 Tyr Asn
238 <210> SEQ ID NO: 10
239 <211> LENGTH: 26
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Synthetic Peptide
247 <220> FEATURE:
248 <221> NAME/KEY: MISC_FEATURE
249 <222> LOCATION: (7)..(24)
250 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
252 <400> SEQUENCE: 10
W--> 254 Ser Gly Gly Tyr Glu Pro Xaa Gly Xaa Gly Gly Gly Xaa Gly Gly Xaa
      255 1           5           10           15
258 Gly Gly Met Gly Gly Ser Asp Xaa Gly Gly
      259           20           25
262 <210> SEQ ID NO: 11
263 <211> LENGTH: 17
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Synthetic Peptide
271 <220> FEATURE:
272 <221> NAME/KEY: MISC_FEATURE
273 <222> LOCATION: (4)..(15)
274 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
276 <400> SEQUENCE: 11
W--> 278 Asp Phe Asn Xaa Gly Gly Gly Asn Gly Xaa Gly Gly Xaa Gly Xaa Gly
      279 1           5           10           15
282 Gly
286 <210> SEQ ID NO: 12
287 <211> LENGTH: 29
288 <212> TYPE: PRT
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Synthetic Peptide
295 <220> FEATURE:
296 <221> NAME/KEY: MISC_FEATURE
297 <222> LOCATION: (4)..(21)
298 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
300 <400> SEQUENCE: 12
W--> 302 Asp Phe Asn Xaa Gly Gly Gly Asn Gly Xaa Gly Gly Xaa Gly Xaa Gly
      303 1           5           10           15
306 Gly Pro Met Gly Xaa Gly Gly Tyr Gly Gly Gly Gly Ser
      307           20           25

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Input Set : A:\11362.0011.DVUS01.ST25.txt

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310 <210> SEQ ID NO: 13
311 <211> LENGTH: 38
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Synthetic Peptide
319 <220> FEATURE:
320 <221> NAME/KEY: MISC_FEATURE
321 <222> LOCATION: (4)..(34)
322 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
324 <400> SEQUENCE: 13
W--> 326 Gly Asp Asp Xaa Xaa Gly Xaa Gly Gly Tyr Asp Xaa Gly Gly Tyr Xaa
      327 1          5          10          15
      330 Gly Xaa Gly Gly Asp Xaa Gly Gly Phe Xaa Gly Gly Xaa Gly Gly Gly
      331          20          25          30
      334 Asp Xaa Gly Gly Phe Gly
      335          35
338 <210> SEQ ID NO: 14
339 <211> LENGTH: 14
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Synthetic Peptide
347 <220> FEATURE:
348 <221> NAME/KEY: MISC_FEATURE
349 <222> LOCATION: (4)..(12)
350 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
352 <400> SEQUENCE: 14
W--> 354 Gly Asp Asp Xaa Xaa Gly Xaa Gly Gly Tyr Asp Xaa Gly Gly
      355 1          5          10
358 <210> SEQ ID NO: 15
359 <211> LENGTH: 26
360 <212> TYPE: PRT
361 <213> ORGANISM: Artificial Sequence
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Synthetic Peptide
367 <220> FEATURE:
368 <221> NAME/KEY: MISC_FEATURE
369 <222> LOCATION: (4)..(22)
370 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
372 <400> SEQUENCE: 15
W--> 374 Gly Gly Tyr Xaa Gly Xaa Gly Gly Asp Xaa Gly Gly Phe Xaa Gly Gly
      375 1          5          10          15
      378 Xaa Gly Gly Gly Asp Xaa Gly Gly Phe Gly
      379          20          25
382 <210> SEQ ID NO: 16
383 <211> LENGTH: 19
384 <212> TYPE: PRT
385 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/056,407B

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Input Set : A:\11362.0011.DVUS01.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. ~~2,4,6,8,10,12,14,16,18~~
Seq#:2; Xaa Pos. ~~2,4,6,10~~
Seq#:3; Xaa Pos. ~~7,9,11,15~~
Seq#:4; Xaa Pos. ~~17,19,21,23,25,27,29,31,33~~
Seq#:5; Xaa Pos. ~~5,7,9,11,13~~
Seq#:6; Xaa Pos. ~~3,5,11,13~~
Seq#:7; Xaa Pos. ~~4,6,8,10~~
Seq#:8; Xaa Pos. ~~6,9,11,19,27,29,33,36,44~~
Seq#:9; Xaa Pos. ~~6,9,11~~
Seq#:10; Xaa Pos. ~~7,9,13,16,24~~
Seq#:11; Xaa Pos. ~~4,10,13,15~~
Seq#:12; Xaa Pos. ~~4,10,13,15,21~~
Seq#:13; Xaa Pos. ~~4,5,7,12,16,18,22,26,29,34~~
Seq#:14; Xaa Pos. ~~4,5,7,12~~
Seq#:15; Xaa Pos. ~~4,6,10,14,17,22~~
Seq#:32; Xaa Pos. ~~8,10,12,14,16,18,20,22,24~~

VERIFICATION SUMMARY

DATE: 08/22/2006

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TIME: 09:27:01

Input Set : A:\11362.0011.DVUS01.ST25.txt

Output Set: N:\CRF4\08222006\J056407B.raw

L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
M:341 Repeated in SeqNo=4
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
M:341 Repeated in SeqNo=10
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
M:341 Repeated in SeqNo=12
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
M:341 Repeated in SeqNo=15
L:678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
M:341 Repeated in SeqNo=32